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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/459,808

DATE: 02/10/2000
TIME: 11:13:43

Input Set: I459808.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

ENTERED

1 <110> APPLICANT: Ashkenazi, Avi J.
2 <120> TITLE OF INVENTION: APO-2 LIGAND
3 <130> FILE REFERENCE: 11669.22US03
4 <140> CURRENT APPLICATION NUMBER: US/09/459,808
5 <141> CURRENT FILING DATE: 1999-12-13
6 <150> EARLIER APPLICATION NUMBER: 08/584,031
7 <151> EARLIER FILING DATE: 1996-01-09
8 <160> NUMBER OF SEQ ID NOS: 17
9 <170> SOFTWARE: PatentIn Ver. 2.0
10 <210> SEQ ID NO 1
11 <211> LENGTH: 281
12 <212> TYPE: PRT
13 <213> ORGANISM: Homo sapiens
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16 1 5 10 15
17 Val Leu Ile Val Ile Phe Thr Val Leu Leu Gln Ser Leu Cys Val Ala
18 20 25 30
19 Val Thr Tyr Val Tyr Phe Thr Asn Glu Leu Lys Gln Met Gln Asp Lys
20 35 40 45
21 Tyr Ser Lys Ser Gly Ile Ala Cys Phe Leu Lys Glu Asp Asp Ser Tyr
22 50 55 60
23 Trp Asp Pro Asn Asp Glu Ser Met Asn Ser Pro Cys Trp Gln Val
24 65 70 75 80
25 Lys Trp Gln Leu Arg Gln Leu Val Arg Lys Met Ile Leu Arg Thr Ser
26 85 90 95
27 Glu Glu Thr Ile Ser Thr Val Gln Glu Lys Gln Gln Asn Ile Ser Pro
28 100 105 110
29 Leu Val Arg Glu Arg Gly Pro Gln Arg Val Ala Ala His Ile Thr Gly
30 115 120 125
31 Thr Arg Gly Arg Ser Asn Thr Leu Ser Ser Pro Asn Ser Lys Asn Glu
32 130 135 140
33 Lys Ala Leu Gly Arg Lys Ile Asn Ser Trp Glu Ser Ser Arg Ser Gly
34 145 150 155 160
35 His Ser Phe Leu Ser Asn Leu His Leu Arg Asn Gly Glu Leu Val Ile
36 165 170 175
37 His Glu Lys Gly Phe Tyr Tyr Ile Tyr Ser Gln Thr Tyr Phe Arg Phe
38 180 185 190
39 Gln Glu Glu Ile Lys Glu Asn Thr Lys Asn Asp Lys Gln Met Val Gln
40 195 200 205
41 Tyr Ile Tyr Lys Tyr Thr Ser Tyr Pro Asp Pro Ile Leu Leu Met Lys
42 210 215 220
43 Ser Ala Arg Asn Ser Cys Trp Ser Lys Asp Ala Glu Tyr Gly Leu Tyr
44 225 230 235 240

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45      Ser Ile Tyr Gln Gly Gly Ile Phe Glu Leu Lys Glu Asn Asp Arg Ile
46                      245                      250                      255
47      Phe Val Ser Val Thr Asn Glu His Leu Ile Asp Met Asp His Glu Ala
48                      260                      265                      270
49      Ser Phe Phe Gly Ala Phe Leu Val Gly
50                      275                      280
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52      <211> LENGTH: 1042
53      <212> TYPE: DNA
54      <213> ORGANISM: Homo sapiens
55      <400> SEQUENCE: 2
56      tttcctcact gactataaaa gaatagagaa ggaagggctt cagtgaccgg ctgcctggct 60
57      gacttacagc agtcagactc tgacaggatc atggctatga tggaggtcca ggggggaccc 120
58      agcctgggac agacctgcgt gctgatcgtg atcttcacag tgctcctgca gtctctctgt 180
59      gtggctgtaa cttacgtgta ctttaccaac gagctgaagc agatgcagga caagtactcc 240
60      aaaagtggca ttgcttggtt cttaaaagaa gatgacagtt attgggaccc caatgacgaa 300
61      gagagtatga acagccccctg ctggcaagtc aagtggcaac tccgtcagct cgttagaaag 360
62      atgattttga gaacctctga ggaaaccatt tctacagttc aagaaaagca acaaaatatt 420
63      tctccccctag tgagagaaag aggtcctcag agagtagcag ctcacataac tgggaccaga 480
64      ggaagaagca acacattgtc ttctccaaac tccaagaatg aaaaggctct gggccgcaaa 540
65      ataaactcct gggaatcatc aaggagtggg cattcattcc tgagcaactt gcacttgagg 600
66      aatggtgaac tggatcatca tgaaaaaggg ttttactaca tctattccca aacatacttt 660
67      cgatttcagg aggaaataaa agaaaacaca aagaacgaca aacaaatggt ccaatatatt 720
68      taaaaataca caagttatcc tgaccctata ttgttgatga aaagtgctag aaatagttgt 780
69      tggctctaaag atgcagaata tggactctat tccatctatc aagggggaat atttgagctt 840
70      aagggaaatg acagaatttt tgtttctgta acaaatgagc acttgataga catggaccat 900
71      gaagccagtt ttttcggggc ctttttagtt ggctaactga cctggaaaga aaaagcaata 960
72      acctcaaagt gactattcag ttttcaggat gatacactat gaagatgttt caaaaaatct 1020
73      gacaaaaaca aacaaacaga aa                                     1042
74      <210> SEQ ID NO 3
75      <211> LENGTH: 390
76      <212> TYPE: DNA
77      <213> ORGANISM: Homo sapiens
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80      gtcagctcgt tagaaagatg attttgagaa cctctgagga aaccatttct acagttcaag 120
81      aaaagcaaca aaatatttct ccctagtga gagaaagagg tcctcagaga gtagcagctc 180
82      acataactgg gaccagagga agaagcaaca cattgtcttc tccaaactcc aagaatgaaa 240
83      aggctctggg ccgcaaaata aactcctggg aatcatcaag gagtgggcat tcattcctga 300
84      gcaacttgca cttgaggaat ggtgaactgg tcatccatga aaaagggttt tactacatct 360
85      attcccaaac atactttcga tttcaggagg                                     390
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87      <211> LENGTH: 60
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89      <213> ORGANISM: Artificial Sequence
90      <220> FEATURE:
91      <221> NAME/KEY: misc_feature
92      <222> LOCATION: (1)..(60)
93      <223> OTHER INFORMATION: Sequence is synthesized
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96 <210> SEQ ID NO 5
97 <211> LENGTH: 60
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
100 <220> FEATURE:
101 <221> NAME/KEY: misc_feature
102 <222> LOCATION: (1)..(60)
103 <223> OTHER INFORMATION: Sequence is synthesized
104 <400> SEQUENCE: 5
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106 <210> SEQ ID NO 6
107 <211> LENGTH: 13
108 <212> TYPE: PRT
109 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <221> NAME/KEY: UNSURE
112 <222> LOCATION: (1)..(13)
113 <223> OTHER INFORMATION: Sequence is synthesized
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117 <210> SEQ ID NO 7
118 <211> LENGTH: 27
119 <212> TYPE: PRT
120 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <221> NAME/KEY: UNSURE
123 <222> LOCATION: (1)..(27)
124 <223> OTHER INFORMATION: Sequence is synthesized
125 <400> SEQUENCE: 7
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128 Phe Arg Gly Lys Asp Leu Pro Val Leu Asp Gln
129 20 25
130 <210> SEQ ID NO 8
131 <211> LENGTH: 24
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <221> NAME/KEY: UNSURE
136 <222> LOCATION: (1)..(24)
137 <223> OTHER INFORMATION: Sequence is synthesized
138 <400> SEQUENCE: 8
139 Met Gly His His His His His His His His His Ser Ser Gly His
140 1 5 10 15
141 Ile Asp Asp Asp Asp Lys His Met
142 20
143 <210> SEQ ID NO 9
144 <211> LENGTH: 175

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145 <212> TYPE: PRT
146 <213> ORGANISM: Homo sapiens
147 <400> SEQUENCE: 9
148   Asp Pro Ala Gly Leu Leu Asp Leu Arg Gln Gly Met Phe Ala Gln Leu
149       1           5           10           15
150   Val Ala Gln Asn Val Leu Leu Ile Asp Gly Pro Leu Ser Trp Tyr Ser
151           20           25           30
152   Asp Pro Gly Leu Ala Gly Val Ser Leu Thr Gly Gly Leu Ser Tyr Lys
153           35           40           45
154   Glu Asp Thr Lys Glu Leu Val Val Ala Lys Ala Gly Val Tyr Tyr Val
155           50           55           60
156   Phe Phe Gln Leu Glu Leu Arg Arg Val Val Ala Gly Glu Gly Ser Gly
157           65           70           75           80
158   Ser Val Ser Leu Ala Leu His Leu Gln Pro Leu Arg Ser Ala Ala Gly
159           85           90           95
160   Ala Ala Ala Leu Ala Leu Thr Val Asp Leu Pro Pro Ala Ser Ser Glu
161           100          105          110
162   Ala Arg Asn Ser Ala Phe Gly Phe Gln Gly Arg Leu Leu His Leu Ser
163           115          120          125
164   Ala Gly Gln Arg Leu Gly Val His Leu His Thr Glu Ala Arg Ala Arg
165           130          135          140
166   His Ala Trp Gln Leu Thr Gln Gly Ala Thr Val Leu Gly Leu Phe Arg
167           145          150          155          160
168   Val Thr Pro Glu Ile Pro Ala Gly Leu Pro Ser Pro Arg Ser Glu
169           165          170          175
170 <210> SEQ ID NO 10
171 <211> LENGTH: 132
172 <212> TYPE: PRT
173 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 10
175   Val Ser His Arg Tyr Pro Arg Ile Gln Ser Ile Lys Val Gln Phe Thr
176       1           5           10           15
177   Glu Tyr Lys Lys Glu Lys Gly Phe Ile Leu Thr Ser Gln Lys Glu Asp
178           20           25           30
179   Glu Ile Met Lys Val Gln Asn Asn Ser Val Ile Ile Asn Cys Asp Gly
180           35           40           45
181   Phe Tyr Leu Ile Ser Leu Lys Gly Tyr Phe Ser Gln Glu Val Asn Ile
182           50           55           60
183   Ser Leu His Tyr Gln Lys Asp Glu Glu Pro Leu Phe Gln Leu Lys Lys
184           65           70           75           80
185   Val Arg Ser Val Asn Ser Leu Met Val Ala Ser Leu Thr Tyr Lys Asp
186           85           90           95
187   Lys Val Tyr Leu Asn Val Thr Thr Asp Asn Thr Ser Leu Asp Asp Phe
188           100          105          110
189   His Val Asn Gly Gly Glu Leu Ile Leu Ile His Gln Asn Pro Gly Glu
190           115          120          125
191   Phe Cys Val Leu
192           130
193 <210> SEQ ID NO 11
194 <211> LENGTH: 151
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195 <212> TYPE: PRT
196 <213> ORGANISM: Homo sapiens
197 <400> SEQUENCE: 11
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200   Gln Leu Asn His Thr Gly Pro Gln Gln Asp Pro Arg Leu Tyr Trp Gln
201           20           25           30
202   Gly Gly Pro Ala Leu Gly Arg Ser Phe Leu His Gly Pro Glu Leu Asp
203           35           40           45
204   Lys Gly Gln Leu Arg Ile His Arg Asp Gly Ile Tyr Met Val His Ile
205           50           55           60
206   Gln Val Thr Leu Ala Ile Cys Ser Ser Thr Thr Ala Ser Arg His His
207           65           70           75           80
208   Pro Thr Thr Leu Ala Val Gly Ile Cys Ser Pro Ala Ser Arg Ser Ile
209           85           90           95
210   Ser Leu Leu Arg Leu Ser Phe His Phe His Gln Gly Cys Thr Ile Val
211           100          105          110
212   Ser Gln Arg Leu Thr Pro Leu Ala Arg Gly Asp Thr Leu Cys Thr Asn
213           115          120          125
214   Leu Thr Gly Thr Leu Leu Pro Ser Arg Asn Thr Asp Glu Thr Phe Phe
215           130          135          140
216   Gly Val Gln Trp Val Arg Pro
217           145          150
218 <210> SEQ ID NO 12
219 <211> LENGTH: 148
220 <212> TYPE: PRT
221 <213> ORGANISM: Homo sapiens
222 <400> SEQUENCE: 12
223   Leu Cys Ile Leu Lys Arg Ala Pro Phe Lys Lys Ser Trp Ala Tyr Leu
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225   Gln Val Ala Lys His Leu Asn Lys Thr Lys Leu Ser Trp Asn Lys Asp
226           20           25           30
227   Gly Ile Leu His Gly Val Arg Tyr Gln Asp Gly Asn Leu Val Ile Gln
228           35           40           45
229   Phe Pro Gly Leu Tyr Phe Ile Ile Cys Gln Leu Gln Phe Leu Val Gln
230           50           55           60
231   Cys Pro Asn Asn Ser Val Asp Leu Lys Leu Glu Leu Leu Ile Asn Lys
232           65           70           75           80
233   His Ile Lys Lys Gln Ala Leu Val Thr Val Cys Glu Ser Gly Met Gln
234           85           90           95
235   Thr Lys His Val Tyr Gln Asn Leu Ser Gln Phe Leu Leu Asp Tyr Leu
236           100          105          110
237   Gln Val Asn Thr Thr Ile Ser Val Asn Val Asp Thr Phe Gln Tyr Ile
238           115          120          125
239   Asp Thr Ser Thr Phe Pro Leu Glu Asn Val Leu Ser Ile Phe Leu Tyr
240           130          135          140
241   Ser Asn Ser Asp
242           145
243 <210> SEQ ID NO 13
244 <211> LENGTH: 157
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VERIFICATION SUMMARY
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Line ? Error/Warning

Original Text
